

-2- BASIC DOC-

~~NO 1223/488~~

(11) Publication number:

0 072 673

A3

(12)

EUROPEAN PATENT APPLICATION

& US-A-4,472,876 25.3.84

(21) Application number: 82304271.8

(51) Int. Cl.⁴: H 01 L 23/48
H 01 L 21/60

(22) Date of filing: 12.08.82

(30) Priority: 13.08.81 US 292401

(43) Date of publication of application:
23.02.83 Bulletin 83/8

(68) Date of deferred publication of search report: 27.03.85

(64) Designated Contracting States:
CH DE FR GB IT LI

(71) Applicant: MINNESOTA MINING AND
MANUFACTURING COMPANY
3M Center, P.O. Box 33427
St. Paul, MN 55133(US)

(72) Inventor: Nelson, Robert J.
2501 Hudson Road P.O. Box 33427
St. Paul Minnesota 55133(US)

(74) Representative: Baillie, Iain Cameron et al,
c/o Ladas & Parry Isartorplatz 5
D-8000 München 2(DE)

(54) Area tape for the electrical interconnection between electronic components and external circuitry.

(57) A flexible area-bonding tape (2) comprising a flexible, electrically insulating body, and arrays of internal and external terminals (10 and 11) which are electrically interconnected by multiplicities of conductive paths (14). At least some of the paths (14) are essentially completely embedded in the body.

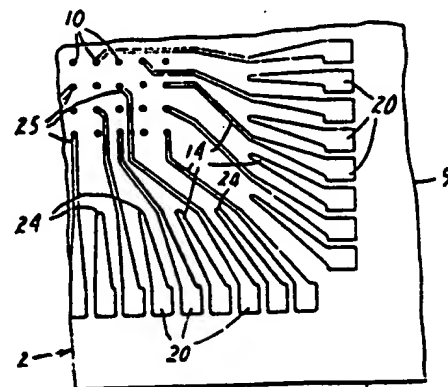


FIG. 3

EP 0 072 673 A3

BEST AVAILABLE COPY



European Patent
Office

EUROPEAN SEARCH REPORT

0072673

Application number

EP 82 30 4271

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Y	FR-A-2 382 101 (L.E.P.) * Claim 4; page 6, lines 12-15; figure 3 *	1,2,4,8	H 01 L 23/48 H 01 L 21/60
D,Y	US-A-3 832 769 (M. OLYPHANT, Jr. et al.) * Figure 6; page 3, lines 66-67; page 4, lines 1-6; claim 4 *	1,2,9	
A	EP-A-0 006 444 (DOUGHERTY et al.) * Figures 6,8c; claims 1,2,4,5 *	1,3	
D,A	US-A-4 064 552 (ANGELUCCI et al.) * Claim 9; page 3, lines 60-65 *	5,9	
D,A	US-A-3 868 724 (PERRINO) * Claim 2; figure 1 *	1	
D,A	US-A-4 251 852 (ECKER et al.) * Claim 1; figure 3 *	1	
D,A	US-A-3 395 057 (FICK et al.) * Claim 1 *	9	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20-11-1984	Examiner GELEBART J.F.M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO Form 1503 03 82

BEST AVAILABLE COPY